

HP PDNO 10017782-1
USPTO serial number 10/029,733

IN THE CLAIM

1 1. (Currently Amended) A method for transmitting information from a second node to a
2 first node, comprising the steps of:
3 establishing a communication link between the first node and the second
4 node; the communication link having multiple channels for
5 transmitting multiple data transactions;
6 allowing one or more data transactions transmitted on the communication
7 link between the first node and the second node;
8 identifying a data stream of a data transaction being transmitted from the
9 second node to the first node;
10 stalling the transaction at any time during the transaction;
11 saving a status of the transaction at the time the transaction is stalled;
12 ~~to insert~~ inserting the information into the identified data stream without
13 regards to a boundary of the transaction; and
14 based on the saved status, resuming the transaction, thereby transmitting
15 the information from the second node via the data stream to the first
16 node;
17 wherein the information is not part of the data transaction when the data
18 transaction starts from the second node to the first node.

1 2. (Original) The method of claim 1 further comprising the step of running the first node
2 and the second node at two different frequencies.

1 3. (Original) The method of claim 1 further comprising the step of including instructions
2 in the information for the first node to perform a task.

HP PDNO 10017782-1
USPTO serial number 10/029,733

1 4. (Original) The method of claim 3 wherein the task includes one or a combination of
2 resending some data, removing the first node, removing a part of the first node,
3 restarting the first node, resetting the first node, notifying the first node,
4 authorizing the first node.

1 5. (Original) The method of claim 1 further comprising the step of sending the
2 information in a packet normally used for synchronizing the first node and the
3 second node.

1 6. (Original) The method of claim 1 further comprising the step of sending the
2 information in a packet that is not counted as part of the data stream being
3 transmitted from the second node to the first node.

1 7. (Original) The method of claim 1 wherein the first node and the second node are
2 selected from a group consisting of a computer system, a network device, a
3 microprocessor, and an electronic chip.

1 8. (Canceled)

1 9. (Currently Amended) A method for transmitting information from a second node to a
2 first node, comprising the steps of:
3 establishing a communication link between the first node and the second
4 node;
5 identifying a data transaction being transmitted from the second node via
6 the data communication link to the first node; the data transaction
7 including a header and a plurality of data pieces;

HP PDNO 10017782-1
USPTO serial number 10/029,733

8 the first node, based on data in the header, counting the data pieces to
9 identify the end of the transaction;
10 stalling the data transaction to send a packet on the communication link to
11 the first node; the packet including the information; and
12 the first node counting the packet as not part of the data transaction.

1 10. (Original) The method of claim 9 further comprises the step of running the first node
2 and the second node at two different frequencies.

1 11. (Original) The method of claim 9 further comprises the step of including instructions
2 in the information for the first node to perform a task.

1 12. (Currently Amended) A system for transmitting information from a second node to a
2 first node, comprising:
3 a communication link between the first node and the second node; the
4 communication link having multiple channels for transmitting
5 multiple data transactions;
6 one or more data transactions transmitted on the communication link
7 between the first node and the second node;
8 a data stream of a data transaction being transmitted from the second node
9 to the first node; and
10 means for stalling the transaction at any time during the transaction;
11 means for saving a status of the transaction at the time the transaction is
12 stalled;
13 means for inserting to insert the information into the data stream without
14 regards to a boundary of the transaction so that the information can

HP PDNO 10017782-1
USPTO serial number 10/029,733

15 be transmitted from the second node via the data stream to the first
16 node;
17 means for resuming the transaction based on the saved status,
18 wherein the information is not part of the data transaction when the data
19 transaction starts from the second node to the first node.

1 13. (Original) The system of claim 12 wherein the first node and the second node run at
2 two different frequencies.

1 14. (Original) The system of claim 12 wherein the information includes instructions for
2 the first node to perform a task.

1 15. (Original) The system of claim 14 wherein the task includes one or a combination of
2 resending some data, removing the first node, removing a part of the first node,
3 restarting the first node, resetting the first node, notifying the first node,
4 authorizing the first node.

1 16. (Original) The system of claim 12 wherein the information is sent in a packet
2 normally used for synchronizing the first node and the second node.

1 17. (Original) The system of claim 12 wherein the information is sent in a packet that is
2 not counted as part of the data stream being transmitted from the second node to
3 the first node.

HP PDNO 10017782-1
USPTO serial number 10/029,733

1 18. (Original) The system of claim 12 wherein the first node and the second node are
2 selected from a group consisting of a computer system, a network device, a
3 microprocessor, and an electronic chip.

1 19. (Canceled)

1 20. (Original) A system for transmitting information from a second node to a first node,
2 comprising:
3 a communication link between the first node and the second node;
4 a data transaction being transmitted from the second node via the
5 communication link to the first node; the data transaction including
6 a header and a plurality of data pieces;
7 means for the first node, based on data in the header, to count the data
8 pieces to identify the end of the transaction;
9 means for stalling the data transaction to send a packet on the
10 communication link to the first node; the packet including the
11 information; and
12 means for the first node to count the packet as not part of the data
13 transaction.

1 21. (Original) The system of claim 20 wherein the first node and the second node run at
2 two different frequencies.

1 22. (Original) The system of claim 20 wherein the information includes instructions for
2 the first node to perform a task.

HP PDNO 10017782-1
USPTO serial number 10/029,733

1 23. (Currently Amended) A computer-readable medium embodying instructions for a
2 computer to perform a method for transmitting information from a second node to
3 a first node, the method comprising the steps of:
4 establishing a communication link between the first node and the second
5 node; the communication link having multiple channels for
6 transmitting multiple data transactions;
7 allowing one or more data transactions transmitted on the communication
8 link between the first node and the second node;
9 identifying a data stream of a data transaction being transmitted from the
10 second node to the first node; and
11 stalling the transaction at any time during the transaction;
12 saving a status of the transaction at the time the transaction is stalled;
13 inserting to insert the information into the data stream without regards to a
14 boundary of the transaction; and
15 based on the saved status, resuming the transaction, thereby transmitting
16 the information from the second node via the data stream to the first
17 node;
18 wherein the information is not part of the data transaction when the data
19 transaction starts from the second node to the first node.

1 24. (Currently Amended) A computer-readable medium embodying instructions for a
2 computer to perform a method for transmitting information from a second node to
3 a first node, the method comprising the steps of:
4 establishing a communication link between the first node and the second
5 node;

HP PDNO 10017782-1
USPTO serial number 10/029,733

6 identifying a data transaction being transmitted from the second node via
7 the data communication link to the first node; the data transaction
8 including a header and a plurality of data pieces;
9 the first node, based on data in the header, counting the data pieces to
10 identify the end of the transaction;
11 stalling the data transaction to send a packet on the communication link to
12 the first node; the packet including the information; and
13 the first node counting the packet as not part of the data transaction.